



PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 11

**Complete if Known**

Application Number	10/712,942
Filing Date	11/13/2003
First Named Inventor	Kennedy, III
Art Unit	3711
Examiner Name	R. Gorden
Attorney Docket Number	P-4628-3-C1-3-D1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
K		US- 2,741,480	04-10-1956	Smith	
		US- 2,973,800	03-07-1961	Muccino	
		US- 3,053,539	09-11-1962	Piechowski	
		US- 3,264,272	08-02-1966	Rees	
		US- 3,313,545	04-11-1967	Bartsch	
		US- 3,373,123	03-12-1968	Brice	
		US- 3,384,612	05-21-1968	Brandt, et al	
		US- 3,458,205	07-29-1969	Smith, et al	
		US- 3,502,338	03-24-1970	Cox	
		US- 3,534,965	10-20-1970	Harrison, et al	
		US- 3,572,721	03-30-1971	Harrison, et al	
		US- 3,883,145	05-13-1975	Cox, et al	
		US- 3,979,126	09-07-1976	Dusbiber	
		US- 3,989,568	11-02-1976	Isaac	
		US- 4,076,255	02-28-1978	Moore, et al	
		US- 4,085,937	04-25-1978	Schenk	
		US- 4,123,061	10-31-1978	Dusbiber	
		US- 4,190,711	02-26-1980	Zdrahala, et al	
		US- 4,218,543	08-19-1980	Weber, et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
K I K		JP 1,771,941	08-06-1992			
		JP 1,795,357	01-19-1993			
		GB 494,031	10-19-1938	Twiss, et al		
		GB 2,245,580	01-08-1992	Hwang, et al		
		GB 2,248,067	03-25-1992	Violaz		
		GB 2,291,811	02-07-1996	Kakiuchi, et al		

Examiner Signature

Date Considered

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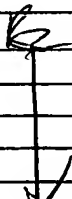
Sheet 2

of 11

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Filing Date	11/13/2003
First Named Inventor	Kennedy, III
Art Unit	3711
Examiner Name	R. Gorden
Attorney Docket Number	P-4628-3-C1-3-D1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
R		US- 4,248,432	02-03-1981	Hewitt, et al	
		US- 4,272,079	06-09-1981	Nakade, et al	
		US- 4,274,637	06-23-1981	Molitor	
		US- 4,337,946	07-06-1982	Saito, et al	
		US- 4,431,193	02-14-1984	Nesbitt	
		US- 4,442,282	04-10-1984	Kolycheck	
		US- 4,570,937	02-18-1986	Yamada	
		US- 4,582,887	04-15-1986	Dominguez, et al	
		US- 4,590,219	05-20-1986	Nissen, et al	
		US- 4,607,090	08-19-1986	Dominguez	
		US- 4,674,751	06-23-1987	Molitor, et al	
		US- 4,679,795	07-14-1987	Melvin, et al	
		US- 4,683,257	07-28-1987	Kakiuchi, et al	
		US- 4,688,801	08-25-1987	Reiter	
		US- 4,690,981	09-01-1987	Statz	
		US- 4,695,055	09-22-1987	Newcomb, et al	
		US- 4,714,253	12-22-1987	Nakahara, et al	
		US- 4,762,322	08-09-1988	Molitor, et al	
		US- 4,798,386	01-17-1989	Berard	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		GB 2,291,812	02-07-1996	Lee		
		GB 2,264,302	08-25-1993	Pocklington		
		GB 2,276,628				
		GB 2,286,400				
		CA 2,137,841	06-30-1995	Endo		
		EP 0 589 647	03-30-1994	Endo, et al		

Examiner Signature	Date Considered
<i>[Signature]</i>	9-27-04

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		US- 4,848,770	07-18-1989	Shama	
		US- 4,852,884	08-01-1989	Sullivan	
		US- 4,858,924	08-22-1989	Saito, et al	
		US- 4,878,674	11-07-1989	Newcomb, et al	
		US- 4,884,814	12-05-1989	Sullivan	
		US- 4,911,451	03-27-1990	Sullivan, et al	
		US- 4,919,434	04-24-1990	Saito	
		US- 4,957,297	09-18-1990	Newcomb, et al	
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		US- 4,984,804	01-15-1991	Yamada, et al	
		US- 4,986,545	01-22-1991	Sullivan	
		US- 5,002,281	03-26-1991	Nakahara, et al	
		US- 5,006,297	04-09-1991	Brown, et al	
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		US- 5,045,591	09-03-1991	Meyer, et al	
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		US- 5,068,151	11-26-1991	Nakamura	

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		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0 630 665	12-28-1994	Proudfil		
		EP 0 633 043	01-11-1995	Higuchi, et al		
		EP 0 637 459	02-08-1995	Yamagishi, et a		
		WIPO 00212				

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KZ		US- 5,072,944	12-17-1991	Nakahara, et al	
		US- 5,096,201	03-17-1992	Egashara, et al	
		US- 5,098,105	03-24-1992	Sullivan	
		US- 5,104,126	04-14-1992	Gentiluomo	
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		US- 5,197,740	03-30-1993	Pocklington, et al	
		US- 5,219,973	06-15-1993	Slack, et al	
		US- 5,222,739	06-29-1993	Horiuchi, et al	
		US- 5,244,969	09-14-1993	Yamada	
		US- 5,253,871	10-19-1993	Viollaz	
		US- 5,273,286	12-28-1993	Sun	
	US- 5,273,287	12-28-1993	Molitor, et al		
	US- 5,274,041	12-28-1993	Yamada		
	US- 5,281,651	01-25-1994	Arjunan, et al		

**FOREIGN PATENT DOCUMENTS**

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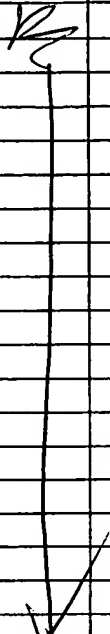
**(Use as many sheets as necessary)**

Sheet	5	of	11
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		US- 5,300,334	04-05-1994	Niederst	
		US- 5,304,608	04-19-1994	Yabuki, et al	
		US- 5,306,760	04-26-1994	Sullivan	
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	US- 5,484,870	01-16-1996	Wu		
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## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date	Considered
11/1/77	11/1/77
11/2/77	11/2/77
11/3/77	11/3/77
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11/5/77	11/5/77
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		US- 5,586,950	12-24-1996	Endo	
		US- 5,628,699	05-13-1997	Maruko, et al	
		US- 5,668,239	09-16-1997	Nodelman, et al	
		US- 5,674,137	10-07-1997	Maruko, et al	
		US- 5,688,191	11-18-1997	Cavallaro, et al	
		US- 5,692,974	12-02-1997	Wu, et al	
		US- 5,730,665	03-24-1998	Shimosaka, et al	
		US- 5,733,206	03-31-1998	Nesbitt,et al	
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		US- 5,739,247	04-14-1998	Lesko, et al	
		US- 5,739,253	04-14-1998	Nodelman,et al	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			

Examiner Signature		Date Considered	9-27-04
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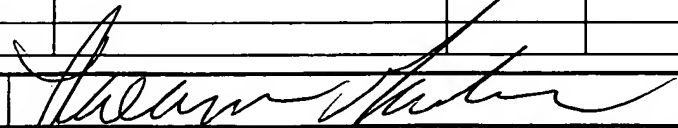
Sheet 7 of 11

**Complete if Known**

Application Number	10/712,942
Filing Date	11/13/2003
First Named Inventor	Kennedy, III
Art Unit	3711
Examiner Name	R. Gorden
Attorney Docket Number	P-4628-3-C1-3-D1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,783,293	07-21-1998	Lammi	
		US- 5,792,008	08-11-1998	Kakiuchi, et al	
		US- 5,797,808	08-25-1998	Hayashi, et al	
		US- 5,800,284	09-01-1998	Sullivan, et al	
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Sheet	8	of	11
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		Number-Kind Code* (if known)			
Rao		US- 5,873,796	02-23-1999	Cavallaro, et al	
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[illegible]Date  
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Sheet	9	of	11
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Application Number	10/712,942
Filing Date	11/13/2003
First Named Inventor	Kennedy, III
Art Unit	3711
Examiner Name	R. Gorden
Attorney Docket Number	P-4628-3-C1-3-D1

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Sheet 10 of 11

Application Number 10/712,942  
 Filing Date 11/13/2003  
 First Named Inventor Kennedy, III  
 Art Unit 3711  
 Examiner Name R. Gorden  
 Attorney Docket Number P-4628-3-C1-3-D1

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
R		A General Reference Manual, "The Chemistry of Polyurethane Coatings", Mobay Corporation, pp. 1-16, (1988)	
B		A Properties Guide, "Thermoplastics and Polyurethanes", Bayer Corporation, pp. 1-29, (no date)	
V		A General Reference Manual, "The Chemistry of Polyurethane Coatings", Mobay Corporation, pp. 2-15	
A		DuPont NUCREL 035 Resin, DuPont Company, Wilmington, DE 19898 (no date included)	
A		Bayer Corporation, "Engineering Polymers Properties Guide Thermoplastics and Polyurethanes", brochure, pp. 2-7, 28-29	
B		ESCOR Acid Terpolymers, Exxon Chemical Company	
B		Cytec Industries, Inc., "TMXDI (META) Sliphatic Isocyanates", brochure, pp. 2-11, (9/94)	
B		Miles, Inc., "Engineering Polymers Properties Guide Thermoplastics and Thermosets", brochure, pp. 2-23, (5/94)	
B		Bayer Corporation, "Engineering Polymers RIM and Part Mold Design", brochure, pp. 1-85, (5/95)	
B		Reasearch Disclosure Nol. 27103 - DuPont, November 1986	

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Sheet 11

of

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Art Unit	3711
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<i>KG</i>		Polyurethane Handbook, "Chemistry-Raw Materials -Processing Applications-Properties", edited by Oertel et al., Hanser/JGardner Publications Inc., 101, 102, (1994)	
<i>KG</i>		DuPont NUCREL 035 Resin - Technical Information, DuPont Company, Polymer Products Department, Wilmington, DE, (1989)	
<i>KG</i>		A Design Guide, "RIM Part and Mold Design", Bayer Corporation, pp. 1-84, (1995)	
<i>KG</i>		Product Announcement, "New Polyurea System Offering Rapid Mold Times and Excellent Thermal Stability For Automotive Fascias is Introduced by Mobay", PRNewswire, March 1, 1998	

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9/27/04

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